

PA3P3810BL = (Flanged) Black/White  
PA3P3810WL = (Flanged) White

PA3P3810BTL = (Trimless) Black  
PA3P3810WTL = (Trimless) White

Ceiling Cutout: 22 1/16" L x 8 3/16" W

#### Ordering Information: PAR 38 Series A

Cat. No.	Lamp	Ceiling Trim	Aperture Finish
PA3P3810BL	(3) 100W PAR 38	Overlap	Black with White Flange
PA3P3810WL	(3) 100W PAR 38	Overlap	White with White Flange
PA3P3810BTL	(3) 100W PAR 38	Trimless	Black
PA3P3810WTL	(3) 100W PAR 38	Trimless	White

#### Features

- Aperture Frame:** Provides clean support for lamp holders and overlapping flange or trimless installation. Extruded aluminum. Rigidly welded together on all corners.
- Media Cartridge:** Allows convenient loading and removal of up to two accessories. Easily installed and removed for lamping with a simple twisting motion. Constructed of die formed aluminum.
- Cross Blade Louver:** Extruded aluminum. 1" deep, provides additional shielding and can be easily removed.
- Adjustable Ring:** Allows 360° horizontal and min 30°, max. 40° (on length); 30° (on width) vertical adjustment.
- Tortiontite Spring:** For easy installation of aperture frame.
- Housing:** Die formed 22 ga. steel. Finish: Black
- Mounting Brackets:** Adjustable vertically from outside of housing.
- Thermal Protector:** Meets NEC, UL, and CSA requirements.
- Lampholder:** Porcelain medium based; nickel plated screw shell. Prewired with #18 SF-1 leads to junction box.
- Junction Box:** 14 ga. steel, 4 x 3 1/2 x 2" box. Allows inspection from below.
- Lamp and Accessory Support:** .032" steel, flared for easy entry of Media Cartridge.
- Lens Retaining Ring:** .093" spring steel rod. Holds accessories in place.

#### Electrical

UL/cUL listed for through branch circuit wiring with maximum of (8) no. 12 AWG 90°C.

#### Finish

All painted finishes are powder coated baked enamel.

#### Options & Accessories

**Accessories:** 4 3/4" dia. series, filters, lenses, screens, and louver (2) max.

#### Labels

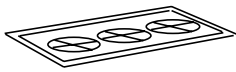
UL/cUL (Suitable for Damp Location), I B E W

#### US Patent Pending

Job Information	Type:
<b>Job Name:</b>	
<b>Cat. No.:</b>	
<b>Lamp(s):</b>	
<b>Notes:</b>	

Lightolier a Genlyte Thomas Company  
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LIGHTOLIER®



## Lighting Performance Data

		Narrow																			
		45W PAR38 NSP (T-H)				45W PAR38 SP (T-H)				75W PAR38 SP				90W PAR38 NSP (T-H)				90W PAR38 SP (T-H)			
DISTANCE		0' 1' 2' 3' 4' 5' 6'																			
FOOTCANDLES (On Beam Center At 6')		236				131				144				528				333			
BEAM SPREAD (To 50% Max. CP)		6°				14°				12°				7°				12°			
MAX. CANDLEPOWER (Candelas)		8,500				4,700				5,200				19,000				12,000			
RATED LIFE (Hours)		2,000				2,000				2,000				2,000				2,000			
0° AIMING ANGLE																					
Illumination on Horizontal Plane		D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W
		7'	173	0.7'	0.7'	6'	131	1.5'	1.5'	6'	144	1.3'	1.3'	10'	190	1.2'	1.2'	8'	188	1.7'	1.7'
		10'	85	1.0'	1.0'	8'	73	2.0'	2.0'	8'	81	1.7'	1.7'	15'	84	1.8'	1.8'	12'	83	2.5'	2.5'
		13'	50	1.4'	1.4'	10'	47	2.5'	2.5'	10'	52	2.1'	2.1'	20'	47	2.4'	2.4'	16'	47	3.4'	3.4'
		16'	33	1.7'	1.7'	12'	33	2.9'	2.9'	12'	36	2.5'	2.5'	25'	30	3.1'	3.1'	20'	30	4.2'	4.2'
30° AIMING ANGLE																					
Illumination on Horizontal Plane		D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W
		6'	153	0.8'	0.7'	5'	122	1.6'	1.4'	5'	135	1.4'	1.2'	8'	193	1.3'	1.1'	7'	159	2.0'	1.7'
		9'	68	1.3'	1.1'	7'	62	2.3'	2.0'	7'	69	2.0'	1.7'	12'	86	2.0'	1.7'	10'	78	2.8'	2.4'
		12'	38	1.7'	1.5'	9'	38	3.0'	2.6'	9'	42	2.5'	2.2'	16'	48	2.6'	2.3'	13'	46	3.7'	3.2'
		15'	25	2.1'	1.8'	11'	25	3.6'	3.1'	11'	28	3.1'	2.7'	20'	31	3.3'	2.8'	16'	30	4.5'	3.9'
30° AIMING ANGLE																					
Illumination on Vertical Plane		D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W
		2'	266	0.8'	0.4'	2'	147	2.1'	1.0'	2'	163	1.7'	0.8'	4'	148	2.0'	1.0'	3'	167	2.6'	1.3'
		3'	118	1.3'	0.6'	3'	65	3.1'	1.5'	3'	72	2.6'	1.3'	6'	66	3.0'	1.5'	4'	94	3.5'	1.7'
		4'	66	1.7'	0.8'	4'	37	4.1'	2.0'	4'	41	3.5'	1.7'	8'	37	4.0'	2.0'	5'	60	4.3'	2.1'
		5'	43	2.1'	1.0'	5'	24	5.1'	2.5'	5'	26	4.3'	2.1'	10'	24	4.9'	2.4'	6'	42	5.2'	2.5'

		Medium											
		45W PAR38 FL (T-H)				75W PAR38 FL				90W PAR38 FL (T-H)			
DISTANCE		0' 1' 2' 3' 4' 5' 6'											
FOOTCANDLES (On Beam Center At 6')		47				52				111			
BEAM SPREAD (To 50% Max. CP)		28°				30°				30°			
MAX. CANDLEPOWER (Candelas)		1,700				1,860				4,000			
RATED LIFE (Hours)		2,000				2,000				2,000			
0° AIMING ANGLE													
Illumination on Horizontal Plane		D	FC	L	W	D	FC	L	W	D	FC	L	W
		3'	189	1.5'	1.5'	4'	116	2.1'	2.1'	6'	111	3.2'	3.2'
		5'	68	2.5'	2.5'	6'	52	3.2'	3.2'	8'	63	4.3'	4.3'
		7'	35	3.5'	3.5'	8'	29	4.3'	4.3'	10'	40	5.4'	5.4'
		9'	21	4.5'	4.5'	10'	19	5.4'	5.4'	12'	28	6.4'	6.4'
30° AIMING ANGLE													
Illumination on Horizontal Plane		D	FC	L	W	D	FC	L	W	D	FC	L	W
		3'	123	2.0'	1.7'	5'	134	2.2'	1.9'	5'	104	3.7'	3.1'
		5'	44	3.4'	2.9'	7'	48	3.7'	3.1'	7'	53	5.1'	4.3'
		7'	23	4.8'	4.0'	9'	25	5.1'	4.3'	9'	32	6.6'	5.6'
		9'	14	6.1'	5.2'	11'	15	6.6'	5.6'	11'	21	8.1'	6.8'
30° AIMING ANGLE													
Illumination on Vertical Plane		D	FC	L	W	D	FC	L	W	D	FC	L	W
		1'	213	2.5'	1.0'	1'	233	2.7'	1.1'	2'	125	5.5'	2.1'
		2'	53	4.9'	2.0'	2'	58	5.5'	2.1'	3'	56	8.2'	3.2'
		3'	24	7.4'	3.0'	3'	26	8.2'	3.2'	4'	31	10.9'	4.3'
		4'	13	9.8'	4.0'	4'	15	10.9'	4.3'	5'	20	13.7'	5.4'

Data are based on bare lamp photometrics.

FC is initial footcandles at center of beam. L and W are to the point that the candlepower drops 50% of maximum.

		Beam Center Location									
Distance D (ft.)		1	2	3	4	5	6	7	8	9	10
Distance C (ft.)		1.7	3.5	5.2	6.9	8.7	10.4	12.1	13.8	15.6	17.3

This chart locates the distance (C) to the center of the light beam for various distances (D) when the lamp is aimed 30° from vertical, the preferred aiming angle for lighting pictures on a wall.

## Job Information

Type:

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